

ABSTRACT

[46] The present invention relates to ion fragmentation techniques by electron-ion reactions in multipolar radiofrequency fields like those in quadrupole ion traps or in 5 ion guides, and devices to perform ion fragmentation by such techniques. The fragmentation techniques are useful for tandem mass spectrometry. The invention consists of the application of a magnetic field essentially parallel to the axis of the radiofrequency field to confine the electrons in the direction perpendicular to the magnetic field.

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